

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P937145

Luminaire Tested: SQ4-FB-075U-075D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937145
REPORT IS A COMBINATION OF REPORTS P933518 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-075U-075D-92765-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

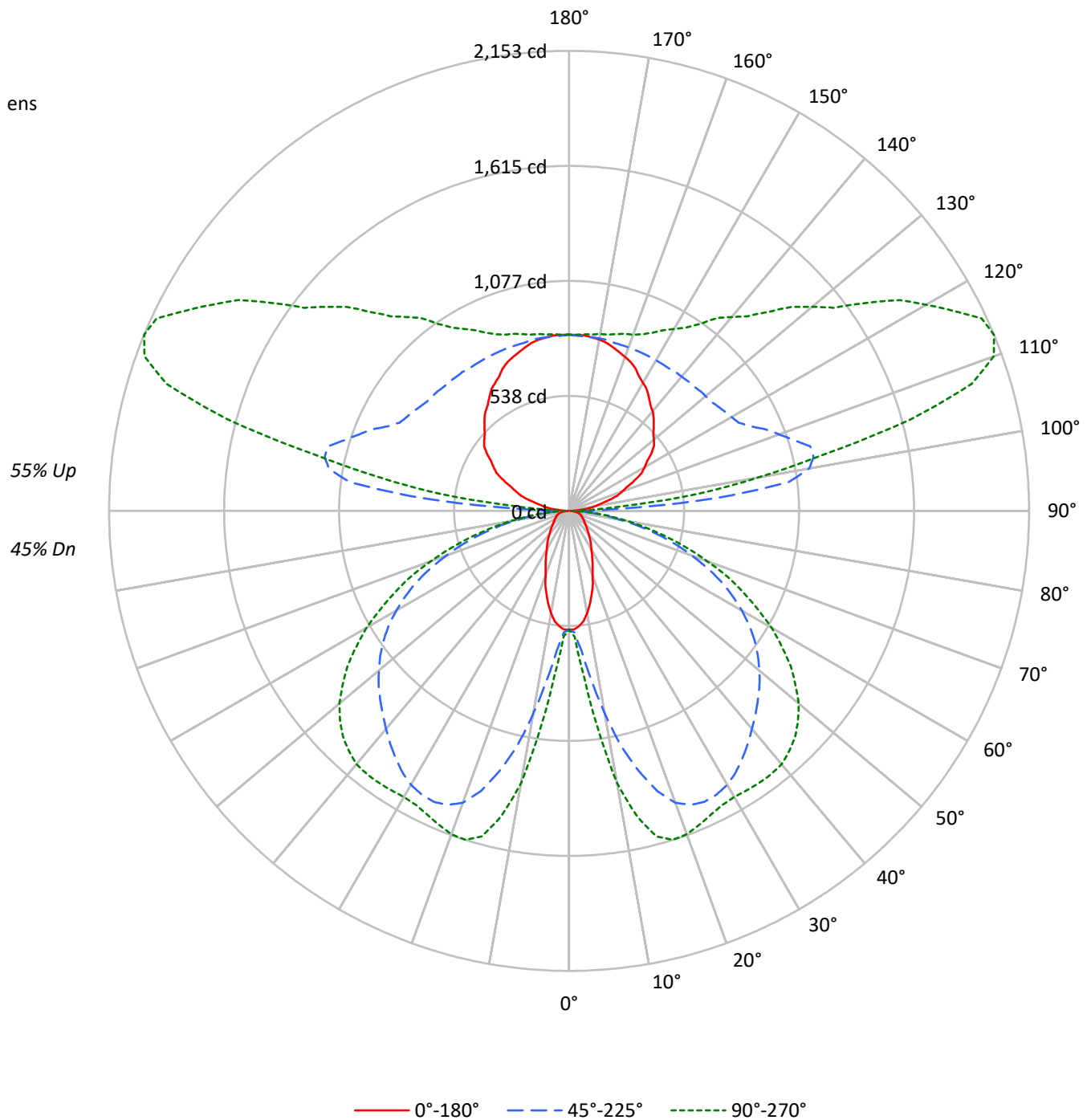
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9643.9 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 84.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P937145
CATALOG NUMBER: SQ4-FB-075U-075D-92765-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P937145

CATALOG NUMBER: SQ4-FB-075U-075D-92765-1D-UNV-STD-W-8-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 80 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 44 | 43 | 42 | 37 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 44 | 38 | 36 | 35 | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 | 25 |
| 4 | 72 | 61 | 53 | 47 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 24 | 21 |
| 5 | 66 | 54 | 46 | 39 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 26 | 23 | 21 | 17 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 21 | 18 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 11 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 12 | 10 |
| 10 | 44 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 16 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2576 | 2576 | 2576 |
| 5° | 2516 | 2977 | 3463 |
| 10° | 2283 | 4340 | 5741 |
| 15° | 1940 | 5671 | 6932 |
| 20° | 1579 | 6571 | 7065 |
| 25° | 1318 | 6876 | 6921 |
| 30° | 1111 | 6920 | 6908 |
| 35° | 983 | 6805 | 7086 |
| 40° | 856 | 6656 | 7271 |
| 45° | 775 | 6546 | 7299 |
| 50° | 711 | 6448 | 7179 |
| 55° | 681 | 6304 | 6860 |
| 60° | 698 | 6027 | 6358 |
| 65° | 725 | 5606 | 5667 |
| 70° | 772 | 4889 | 4788 |
| 75° | 856 | 3986 | 3737 |
| 80° | 936 | 2764 | 2518 |
| 85° | 834 | 1466 | 1288 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7299 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.8 | 0.7 |
| 10°-20° | 318.3 | 3.3 |
| 20°-30° | 556.8 | 5.8 |
| 30°-40° | 716.8 | 7.4 |
| 40°-50° | 800.6 | 8.3 |
| 50°-60° | 766.8 | 8.0 |
| 60°-70° | 607.6 | 6.3 |
| 70°-80° | 357.3 | 3.7 |
| 80°-90° | 102.4 | 1.1 |
| 90°-100° | 402.0 | 4.2 |
| 100°-110° | 1056.7 | 11.0 |
| 110°-120° | 1095.7 | 11.4 |
| 120°-130° | 878.9 | 9.1 |
| 130°-140° | 689.6 | 7.2 |
| 140°-150° | 529.3 | 5.5 |
| 150°-160° | 381.2 | 4.0 |
| 160°-170° | 233.2 | 2.4 |
| 170°-180° | 78.8 | 0.8 |
| 0°-30° | 946.9 | 9.8 |
| 0°-40° | 1663.7 | 17.3 |
| 0°-60° | 3231.1 | 33.5 |
| 0°-90° | 4298.4 | 44.6 |
| 90°-120° | 2554.4 | 26.5 |
| 90°-150° | 4652.2 | 48.2 |
| 90°-180° | 5345.0 | 55.4 |
| 0°-180° | 9643.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 555 | 555 | 555 | 555 | 555 | |
| 5° | 541 | 580 | 653 | 739 | 766 | 50 |
| 15° | 405 | 748 | 1260 | 1528 | 1576 | 113 |
| 25° | 259 | 848 | 1502 | 1568 | 1569 | 119 |
| 35° | 175 | 810 | 1414 | 1494 | 1553 | 109 |
| 45° | 120 | 646 | 1250 | 1432 | 1496 | 93 |
| 55° | 86 | 411 | 1060 | 1232 | 1266 | 78 |
| 65° | 68 | 218 | 787 | 886 | 898 | 67 |
| 75° | 50 | 134 | 432 | 475 | 477 | 52 |
| 85° | 18 | 41 | 107 | 118 | 120 | 19 |
| 90° | 6 | 16 | 42 | 21 | 21 | 6 |
| 95° | 53 | 208 | 692 | 357 | 243 | 59 |
| 105° | 190 | 288 | 1168 | 1774 | 1655 | 202 |
| 115° | 338 | 411 | 936 | 1867 | 2131 | 334 |
| 125° | 470 | 527 | 851 | 1438 | 1697 | 418 |
| 135° | 561 | 617 | 825 | 1161 | 1316 | 434 |
| 145° | 650 | 692 | 814 | 991 | 1068 | 407 |
| 155° | 735 | 755 | 814 | 894 | 920 | 338 |
| 165° | 793 | 804 | 814 | 846 | 857 | 224 |
| 175° | 825 | 825 | 820 | 830 | 830 | 78 |
| 180° | 825 | 825 | 825 | 825 | 825 | |



TEST NUMBER: P937145

CATALOG NUMBER: SQ4-FB-075U-075D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 555.2 | 555.2 | 555.2 | 555.2 | 555.2 | 555.2 | 555.2 | 555.2 | 555.2 | 555.2 | 555.2 |
| 2.5° | 555.2 | 555.2 | 558.8 | 560.6 | 564.1 | 565.9 | 569.5 | 573.1 | 583.8 | 585.6 | 589.1 |
| 5° | 540.9 | 548.1 | 571.3 | 580.2 | 605.2 | 639.1 | 653.4 | 676.6 | 724.8 | 739.1 | 748.0 |
| 7.5° | 519.5 | 535.6 | 592.7 | 607.0 | 669.5 | 758.7 | 796.2 | 846.2 | 923.0 | 960.5 | 990.8 |
| 10° | 485.6 | 519.5 | 621.3 | 655.2 | 756.9 | 892.6 | 962.2 | 1032.0 | 1148.0 | 1199.8 | 1219.4 |
| 12.5° | 448.1 | 503.4 | 651.6 | 698.0 | 844.4 | 1042.7 | 1126.6 | 1203.3 | 1335.4 | 1405.1 | 1415.8 |
| 15° | 405.2 | 480.2 | 680.2 | 748.0 | 937.3 | 1167.6 | 1260.5 | 1355.1 | 1478.3 | 1528.3 | 1540.8 |
| 17.5° | 367.8 | 462.4 | 707.0 | 778.4 | 1008.7 | 1280.1 | 1374.7 | 1453.3 | 1553.2 | 1587.2 | 1596.1 |
| 20° | 321.3 | 433.8 | 724.8 | 817.6 | 1083.7 | 1362.2 | 1453.3 | 1514.0 | 1581.8 | 1603.2 | 1606.8 |
| 22.5° | 287.4 | 403.5 | 735.5 | 831.9 | 1133.7 | 1412.2 | 1489.0 | 1537.2 | 1583.6 | 1590.7 | 1592.5 |
| 25° | 258.9 | 369.5 | 733.7 | 848.0 | 1176.6 | 1442.6 | 1501.5 | 1537.2 | 1564.0 | 1567.5 | 1567.5 |
| 27.5° | 232.1 | 332.1 | 726.6 | 851.6 | 1208.7 | 1449.7 | 1496.1 | 1521.1 | 1533.6 | 1540.8 | 1540.8 |
| 30° | 208.9 | 296.3 | 708.7 | 844.4 | 1223.0 | 1442.6 | 1480.1 | 1492.5 | 1505.0 | 1515.8 | 1521.1 |
| 32.5° | 191.0 | 262.4 | 682.0 | 830.1 | 1224.8 | 1424.7 | 1451.5 | 1458.6 | 1476.5 | 1501.5 | 1510.4 |
| 35° | 175.0 | 228.5 | 651.6 | 810.5 | 1214.1 | 1396.1 | 1414.0 | 1421.1 | 1456.8 | 1494.3 | 1506.8 |
| 37.5° | 158.9 | 203.5 | 612.3 | 776.6 | 1198.0 | 1362.2 | 1374.7 | 1387.2 | 1442.6 | 1487.2 | 1501.5 |
| 40° | 142.8 | 182.1 | 565.9 | 739.1 | 1173.0 | 1321.2 | 1331.9 | 1351.5 | 1424.7 | 1476.5 | 1490.8 |
| 42.5° | 130.3 | 164.2 | 515.9 | 699.8 | 1140.9 | 1274.8 | 1290.8 | 1319.4 | 1403.3 | 1458.6 | 1474.7 |
| 45° | 119.6 | 146.4 | 462.4 | 646.3 | 1099.8 | 1226.5 | 1249.8 | 1289.0 | 1378.3 | 1431.9 | 1446.1 |
| 47.5° | 108.9 | 133.9 | 407.0 | 590.9 | 1055.2 | 1178.3 | 1208.7 | 1253.3 | 1344.4 | 1396.1 | 1408.6 |
| 50° | 100.0 | 121.4 | 351.7 | 532.0 | 1006.9 | 1126.6 | 1162.3 | 1208.7 | 1301.5 | 1349.7 | 1365.8 |
| 52.5° | 92.8 | 110.7 | 299.9 | 473.1 | 951.5 | 1073.0 | 1114.1 | 1162.3 | 1249.8 | 1296.2 | 1306.9 |
| 55° | 85.7 | 101.8 | 255.3 | 410.6 | 894.4 | 1015.9 | 1060.5 | 1106.9 | 1192.6 | 1231.9 | 1239.0 |
| 57.5° | 82.1 | 94.6 | 217.8 | 351.7 | 833.7 | 951.5 | 1001.5 | 1044.5 | 1124.8 | 1155.1 | 1162.3 |
| 60° | 76.8 | 89.3 | 189.2 | 301.7 | 767.7 | 890.8 | 933.7 | 976.5 | 1044.5 | 1069.4 | 1074.8 |
| 62.5° | 71.4 | 85.7 | 167.8 | 253.5 | 699.8 | 819.4 | 862.3 | 901.5 | 958.7 | 976.5 | 983.7 |
| 65° | 67.8 | 82.1 | 151.7 | 217.8 | 630.2 | 744.4 | 787.3 | 821.2 | 867.6 | 885.5 | 889.0 |
| 67.5° | 64.3 | 78.6 | 139.2 | 187.5 | 560.6 | 669.5 | 701.6 | 733.7 | 769.4 | 787.3 | 789.1 |
| 70° | 58.9 | 75.0 | 128.5 | 166.0 | 489.2 | 583.8 | 610.6 | 644.5 | 673.0 | 682.0 | 687.3 |
| 72.5° | 55.3 | 69.6 | 121.4 | 150.0 | 416.0 | 501.7 | 526.6 | 546.3 | 571.3 | 580.2 | 580.2 |
| 75° | 50.0 | 62.5 | 114.3 | 133.9 | 341.0 | 410.6 | 432.0 | 451.7 | 471.3 | 474.9 | 469.5 |
| 77.5° | 44.6 | 55.3 | 98.2 | 112.5 | 266.0 | 324.9 | 342.8 | 353.5 | 369.5 | 373.1 | 374.9 |
| 80° | 37.5 | 48.2 | 76.8 | 87.5 | 192.8 | 239.2 | 251.7 | 260.6 | 274.9 | 274.9 | 278.5 |
| 82.5° | 28.6 | 37.5 | 55.3 | 62.5 | 130.3 | 164.2 | 175.0 | 180.3 | 189.2 | 189.2 | 189.2 |
| 85° | 17.9 | 23.2 | 35.7 | 41.1 | 78.6 | 100.0 | 107.1 | 108.9 | 116.0 | 117.8 | 117.8 |
| 87.5° | 8.9 | 12.5 | 23.2 | 25.0 | 41.1 | 51.8 | 51.8 | 55.3 | 55.3 | 53.6 | 51.8 |
| 90° | 5.5 | 10.0 | 14.5 | 15.5 | 24.4 | 36.2 | 42.0 | 37.4 | 28.0 | 21.1 | 21.1 |
| 92.5° | 22.1 | 59.8 | 97.5 | 106.8 | 150.2 | 208.0 | 236.9 | 207.6 | 149.1 | 105.2 | 101.0 |
| 95° | 53.1 | 122.0 | 190.8 | 208.1 | 369.5 | 584.7 | 692.3 | 617.8 | 468.7 | 357.0 | 344.3 |
| 97.5° | 91.9 | 152.6 | 213.4 | 228.6 | 497.7 | 856.6 | 1036.0 | 988.8 | 894.7 | 824.1 | 800.0 |
| 100° | 121.8 | 176.8 | 232.0 | 245.7 | 544.4 | 942.6 | 1141.7 | 1145.1 | 1152.0 | 1157.2 | 1128.5 |
| 102.5° | 147.2 | 198.6 | 250.0 | 262.9 | 565.7 | 969.7 | 1171.6 | 1231.5 | 1351.6 | 1441.7 | 1417.0 |
| 105° | 190.4 | 234.0 | 277.4 | 288.3 | 581.6 | 972.7 | 1168.3 | 1302.8 | 1571.8 | 1773.6 | 1760.4 |
| 107.5° | 234.7 | 275.3 | 315.8 | 326.0 | 584.6 | 929.4 | 1101.9 | 1289.5 | 1664.8 | 1946.4 | 1949.6 |
| 110° | 264.6 | 301.2 | 337.8 | 347.0 | 580.1 | 891.0 | 1046.5 | 1256.3 | 1675.9 | 1990.6 | 2004.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 293.9 | 328.8 | 363.7 | 372.4 | 580.3 | 857.5 | 996.2 | 1210.9 | 1640.4 | 1962.4 | 1983.6 |
| 115° | 338.1 | 370.3 | 402.6 | 410.6 | 585.6 | 819.1 | 935.8 | 1142.6 | 1556.4 | 1866.6 | 1896.0 |
| 117.5° | 381.9 | 411.1 | 440.4 | 447.7 | 596.6 | 795.1 | 894.3 | 1081.0 | 1454.3 | 1734.4 | 1766.9 |
| 120° | 407.3 | 434.8 | 462.4 | 469.3 | 605.4 | 786.9 | 877.7 | 1048.3 | 1389.5 | 1645.3 | 1676.9 |
| 122.5° | 432.2 | 460.1 | 487.8 | 494.8 | 618.1 | 782.6 | 864.9 | 1018.6 | 1325.8 | 1556.2 | 1587.3 |
| 125° | 470.4 | 495.8 | 521.0 | 527.4 | 635.3 | 779.2 | 851.1 | 981.6 | 1242.5 | 1438.3 | 1467.0 |
| 127.5° | 501.4 | 527.0 | 552.5 | 559.0 | 652.5 | 777.2 | 839.5 | 951.5 | 1175.6 | 1343.7 | 1367.9 |
| 130° | 518.0 | 545.5 | 573.1 | 579.9 | 665.0 | 778.5 | 835.1 | 934.8 | 1134.3 | 1283.9 | 1306.3 |
| 132.5° | 535.1 | 562.7 | 590.3 | 597.2 | 675.2 | 779.2 | 831.2 | 920.5 | 1099.1 | 1233.0 | 1253.1 |
| 135° | 560.6 | 585.6 | 610.8 | 617.1 | 686.2 | 778.5 | 824.6 | 899.4 | 1048.9 | 1161.0 | 1178.3 |
| 137.5° | 586.6 | 611.4 | 636.3 | 642.5 | 702.8 | 783.3 | 823.4 | 886.6 | 1013.1 | 1107.9 | 1122.0 |
| 140° | 608.2 | 631.1 | 653.9 | 659.6 | 712.9 | 784.1 | 819.6 | 874.2 | 983.4 | 1065.3 | 1078.6 |
| 142.5° | 624.8 | 646.0 | 667.1 | 672.4 | 721.5 | 786.9 | 819.6 | 867.5 | 963.5 | 1035.4 | 1046.8 |
| 145° | 650.3 | 668.8 | 687.1 | 691.8 | 732.6 | 786.9 | 814.1 | 853.3 | 931.8 | 990.6 | 999.2 |
| 147.5° | 675.7 | 693.7 | 711.7 | 716.1 | 748.8 | 792.3 | 814.1 | 845.0 | 906.6 | 953.0 | 960.1 |
| 150° | 692.3 | 708.6 | 724.8 | 728.8 | 757.2 | 795.1 | 814.1 | 840.1 | 892.3 | 931.4 | 937.2 |
| 152.5° | 709.5 | 721.8 | 734.1 | 737.1 | 762.7 | 796.9 | 814.1 | 836.3 | 880.8 | 914.2 | 918.6 |
| 155° | 734.9 | 744.0 | 753.1 | 755.4 | 775.0 | 801.0 | 814.1 | 831.7 | 867.2 | 893.8 | 896.6 |
| 157.5° | 753.7 | 762.6 | 771.4 | 773.6 | 787.1 | 805.1 | 814.1 | 827.8 | 855.4 | 876.0 | 878.1 |
| 160° | 766.5 | 773.4 | 780.2 | 781.9 | 792.6 | 806.9 | 814.1 | 825.9 | 849.5 | 867.2 | 868.3 |
| 162.5° | 779.2 | 784.3 | 789.5 | 790.9 | 798.6 | 808.9 | 814.1 | 824.1 | 844.0 | 858.9 | 860.0 |
| 165° | 793.0 | 797.6 | 802.4 | 803.5 | 807.0 | 811.7 | 814.1 | 821.2 | 835.5 | 846.2 | 847.4 |
| 167.5° | 805.8 | 808.0 | 810.2 | 810.8 | 813.7 | 817.6 | 819.6 | 824.2 | 833.6 | 840.7 | 841.1 |
| 170° | 814.1 | 816.3 | 818.5 | 819.1 | 819.2 | 819.5 | 819.6 | 824.2 | 833.6 | 840.7 | 840.7 |
| 172.5° | 818.5 | 819.0 | 819.5 | 819.6 | 819.6 | 819.6 | 819.6 | 823.3 | 830.7 | 836.2 | 835.8 |
| 175° | 824.6 | 824.6 | 824.6 | 824.6 | 822.9 | 820.7 | 819.6 | 821.9 | 826.7 | 830.1 | 830.1 |
| 177.5° | 824.6 | 824.6 | 824.6 | 824.6 | 823.3 | 821.6 | 820.7 | 822.5 | 826.2 | 829.0 | 828.5 |
| 180° | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 | 824.6 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 555.2 | 555.2 |
| 2.5° | 592.7 | 589.1 |
| 5° | 762.3 | 765.9 |
| 7.5° | 1026.6 | 1024.8 |
| 10° | 1276.5 | 1292.6 |
| 12.5° | 1458.6 | 1462.2 |
| 15° | 1569.3 | 1576.5 |
| 17.5° | 1612.2 | 1613.9 |
| 20° | 1613.9 | 1610.4 |
| 22.5° | 1594.3 | 1590.7 |
| 25° | 1571.1 | 1569.3 |
| 27.5° | 1549.7 | 1551.5 |
| 30° | 1540.8 | 1546.1 |
| 32.5° | 1540.8 | 1549.7 |
| 35° | 1544.3 | 1553.2 |
| 37.5° | 1542.5 | 1553.2 |
| 40° | 1535.4 | 1547.9 |
| 42.5° | 1515.8 | 1524.7 |
| 45° | 1485.4 | 1496.1 |
| 47.5° | 1446.1 | 1453.3 |
| 50° | 1396.1 | 1403.3 |
| 52.5° | 1333.7 | 1335.4 |
| 55° | 1258.7 | 1265.8 |
| 57.5° | 1178.3 | 1180.1 |
| 60° | 1089.1 | 1094.4 |
| 62.5° | 994.4 | 994.4 |
| 65° | 894.4 | 898.0 |
| 67.5° | 790.9 | 799.8 |
| 70° | 685.5 | 687.3 |
| 72.5° | 582.0 | 582.0 |
| 75° | 474.9 | 476.7 |
| 77.5° | 373.1 | 373.1 |
| 80° | 276.7 | 278.5 |
| 82.5° | 191.0 | 194.6 |
| 85° | 119.6 | 119.6 |
| 87.5° | 55.3 | 50.0 |
| 90° | 21.1 | 21.1 |
| 92.5° | 84.3 | 67.5 |
| 95° | 293.7 | 243.0 |
| 97.5° | 703.5 | 607.1 |
| 100° | 1013.7 | 898.8 |
| 102.5° | 1318.7 | 1220.3 |
| 105° | 1707.5 | 1654.6 |
| 107.5° | 1962.3 | 1975.1 |
| 110° | 2059.5 | 2114.6 |



TEST NUMBER: P937145

CATALOG NUMBER: SQ4-FB-075U-075D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2068.1 | 2152.7 |
| 115° | 2013.3 | 2130.6 |
| 117.5° | 1897.0 | 2027.1 |
| 120° | 1803.4 | 1929.8 |
| 122.5° | 1712.0 | 1836.7 |
| 125° | 1581.9 | 1696.8 |
| 127.5° | 1464.8 | 1561.7 |
| 130° | 1395.8 | 1485.3 |
| 132.5° | 1333.2 | 1413.4 |
| 135° | 1247.4 | 1316.5 |
| 137.5° | 1178.6 | 1235.2 |
| 140° | 1131.5 | 1184.3 |
| 142.5° | 1092.3 | 1137.8 |
| 145° | 1033.7 | 1068.1 |
| 147.5° | 988.6 | 1017.1 |
| 150° | 960.3 | 983.4 |
| 152.5° | 936.0 | 953.5 |
| 155° | 908.2 | 919.8 |
| 157.5° | 886.2 | 894.3 |
| 160° | 873.1 | 877.7 |
| 162.5° | 864.4 | 868.9 |
| 165° | 852.0 | 856.6 |
| 167.5° | 843.1 | 845.0 |
| 170° | 840.7 | 840.7 |
| 172.5° | 834.1 | 832.4 |
| 175° | 830.1 | 830.1 |
| 177.5° | 826.6 | 824.6 |
| 180° | 824.6 | 824.6 |



TEST NUMBER: P937145

CATALOG NUMBER: SQ4-FB-075U-075D-92765-1D-UNV-STD-W-8-3500K

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 3.78 | 4.62 | 4.77 | 5.63 | 6.98 | 16.96 | 17.80 | 17.95 | 18.81 | 20.16 |
| | 3H | 4.48 | 5.24 | 5.49 | 6.26 | 7.63 | 18.79 | 19.55 | 19.80 | 20.57 | 21.94 |
| | 4H | 4.78 | 5.50 | 5.80 | 6.52 | 7.90 | 19.44 | 20.16 | 20.46 | 21.18 | 22.55 |
| | 6H | 5.03 | 5.69 | 6.06 | 6.72 | 8.11 | 19.87 | 20.53 | 20.90 | 21.56 | 22.95 |
| | 8H | 5.10 | 5.73 | 6.13 | 6.77 | 8.15 | 19.99 | 20.62 | 21.02 | 21.67 | 23.05 |
| | 12H | 5.11 | 5.72 | 6.15 | 6.75 | 8.16 | 20.06 | 20.66 | 21.10 | 21.70 | 23.10 |
| 4H | 2H | 10.99 | 11.71 | 12.01 | 12.74 | 14.11 | 17.23 | 17.95 | 18.25 | 18.97 | 20.34 |
| | 3H | 12.56 | 13.16 | 13.59 | 14.21 | 15.60 | 19.27 | 19.88 | 20.31 | 20.93 | 22.31 |
| | 4H | 12.65 | 13.20 | 13.69 | 14.25 | 15.66 | 20.04 | 20.59 | 21.08 | 21.64 | 23.04 |
| | 6H | 12.66 | 13.14 | 13.71 | 14.20 | 15.61 | 20.58 | 21.05 | 21.63 | 22.12 | 23.52 |
| | 8H | 12.64 | 13.08 | 13.69 | 14.14 | 15.56 | 20.74 | 21.18 | 21.79 | 22.24 | 23.66 |
| | 12H | 12.59 | 13.00 | 13.66 | 14.07 | 15.50 | 20.83 | 21.24 | 21.90 | 22.31 | 23.73 |
| 8H | 4H | 14.09 | 14.54 | 15.15 | 15.60 | 17.02 | 20.10 | 20.54 | 21.15 | 21.60 | 23.02 |
| | 6H | 14.34 | 14.71 | 15.41 | 15.81 | 17.22 | 20.73 | 21.10 | 21.80 | 22.20 | 23.61 |
| | 8H | 14.35 | 14.68 | 15.44 | 15.76 | 17.20 | 20.95 | 21.27 | 22.03 | 22.36 | 23.79 |
| | 12H | 14.32 | 14.61 | 15.41 | 15.69 | 17.16 | 21.09 | 21.38 | 22.18 | 22.46 | 23.93 |
| 12H | 4H | 14.24 | 14.64 | 15.31 | 15.71 | 17.14 | 20.05 | 20.45 | 21.12 | 21.53 | 22.95 |
| | 6H | 14.59 | 14.92 | 15.68 | 16.00 | 17.44 | 20.71 | 21.03 | 21.79 | 22.12 | 23.55 |
| | 8H | 14.66 | 14.95 | 15.75 | 16.03 | 17.50 | 20.94 | 21.22 | 22.03 | 22.30 | 23.78 |